

"METHOD AND APPARATUS FOR DETECTING AND CORRECTING INVALID TEST DEFINITION DATA"

Inventors: Robert S. Kolman, et al.

Atty. Docket No.: 10030573-1

1/5

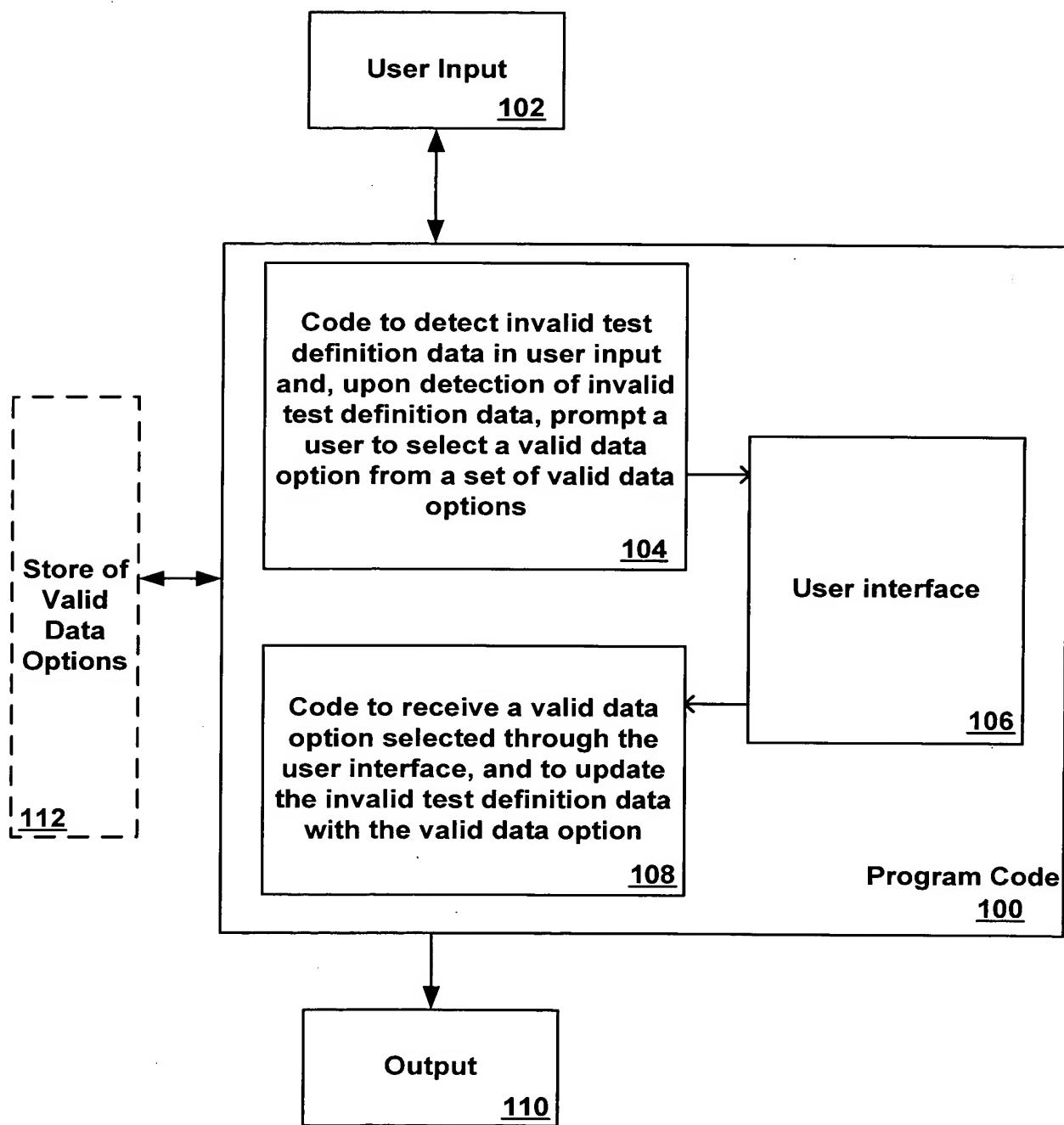


FIG. 1

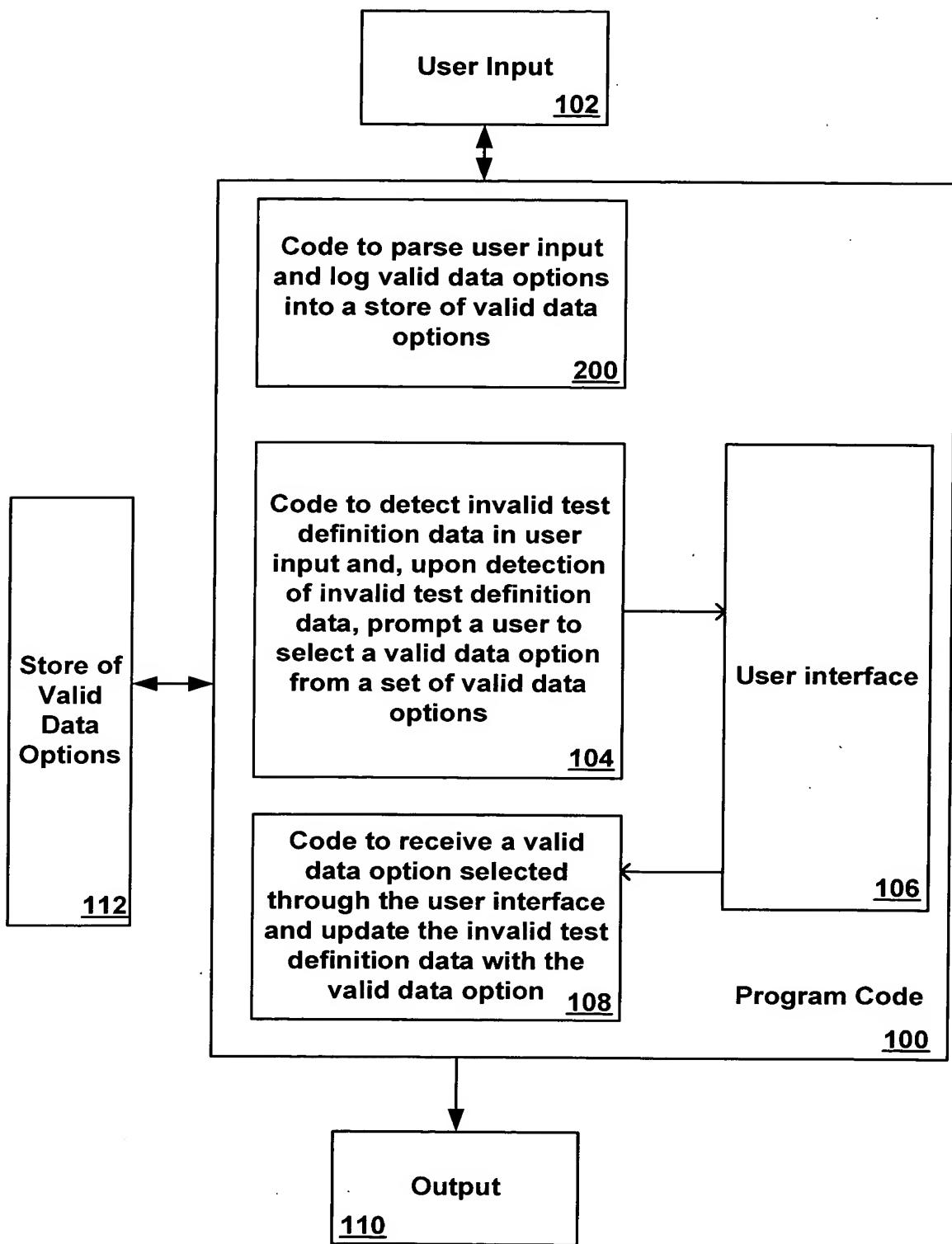


FIG. 2

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3/5

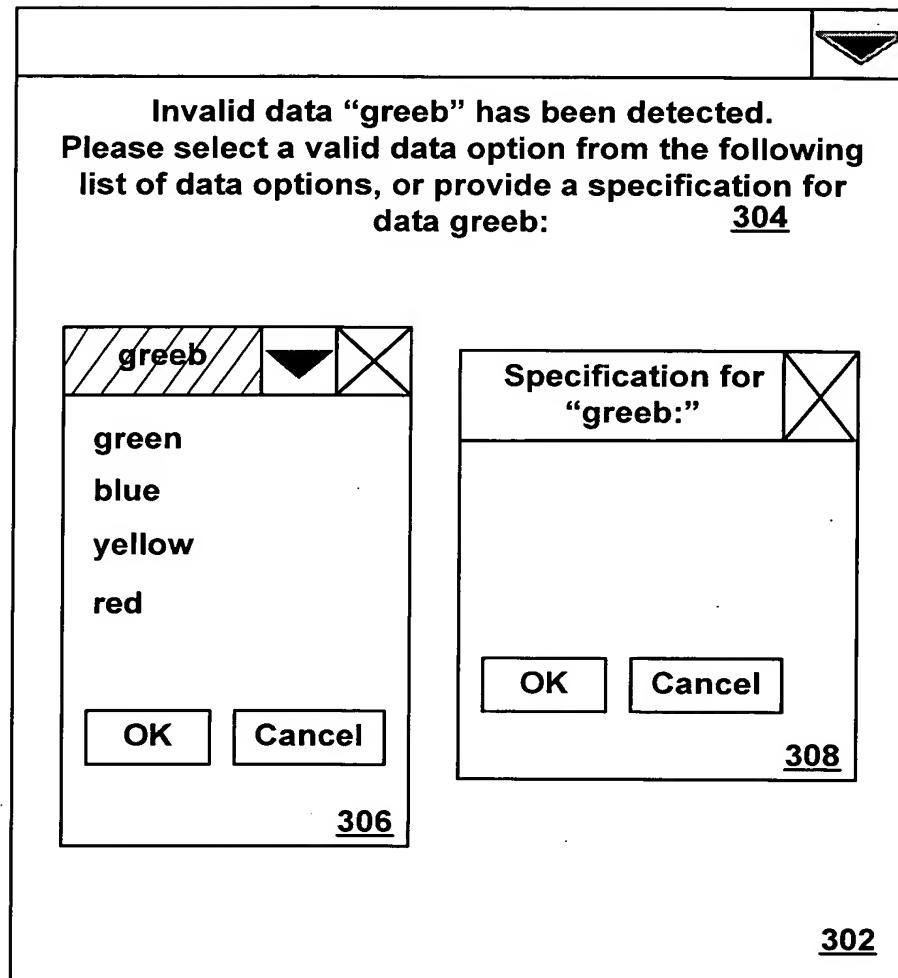


FIG. 3

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4/5

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**Parse user input to detect invalid test definition data in
the user input**

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**Upon detecting invalid test definition data, prompting a
user to select a valid data option from a set of valid data
options**

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**Upon receiving a valid data option selected from the set of
valid data options, updating the invalid test definition data
with the valid data option**

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**Generating circuit test data structures to control an
automated circuit tester**

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FIG. 4

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5/5

500

Parse source code for generating circuit test data
structures, to identify type name definitions
and enumeration constant definitions contained
in the source code

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Generate a string table from the identified type name and
enumeration constant definitions

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Link the string table to an input validation and error
messaging portion of the source code to i) cause the
source code to index the string table upon detection of
invalid test definition data in user input, and then ii) cause
a set of valid data options retrieved from the string table
to be displayed to a user for user selection

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FIG. 5